h = a ** b print(h)

Dt : 25/11/25

Day - 04.

Logical operators :-

A logical operator used to combine multiple conditions & return a Boolean value (True & false) based on the logical applied.

and or not - reverse the Boolean

and - returns True only if both conditions are true

OR - returns True if at least one condition is True.

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Comparison / Relational operator:

Used to compare two values; result is True or Fa

- == → equal to
- != → Not equal to
- > → Greater than
- < → Less than
- >= → Greater than or equal to
- <= → Less than or equal to

Assignment operators.

used to assign values to variables.

=	Assign value
+=	Add & assign
-=	subtract & assign
*=	multiply & assign
/=	Divide & assign
%=	modulus & assign

Bitwise operator:-

operate on binary (bit-level) values.

&	Bitwise AND
|	Bitwise OR
~	Bitwise not
>>	Right shift
<<	Left shift

Membership operator:-

Check if a value exist in a sequence (list, tuple, etc)

in	True if value is found
not in	True if value is not found.

Identity operators:-

check if two object refer to the same memory locati

is

is not

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write a program to calculate area of square, area of circle, area of triangle take input from users.

```
a = float (input ("enter the value: "))
r = float (input ("enter the value: "))
b = float (input ("enter the base: "))
h = float (input ("enter the height: "))

c = a * a
d = 3.14 * r * r
e = 1/2 * b * h
Print ("area of square = ", c)
Print ("area of circle = ", d)
Print ("area of triangle = ", e)
```

OUTPUT:-

```
enter the value: 2
enter the value: 2
enter the base: 5
enter the height: 5
area of square = 4.0
area of circle = 12.56
area of triangle = 12.5
```

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